



GRL2020

A Vision for a Global Research Library

GRL2020 Asia

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Regional Requirements & Challenges: Europe

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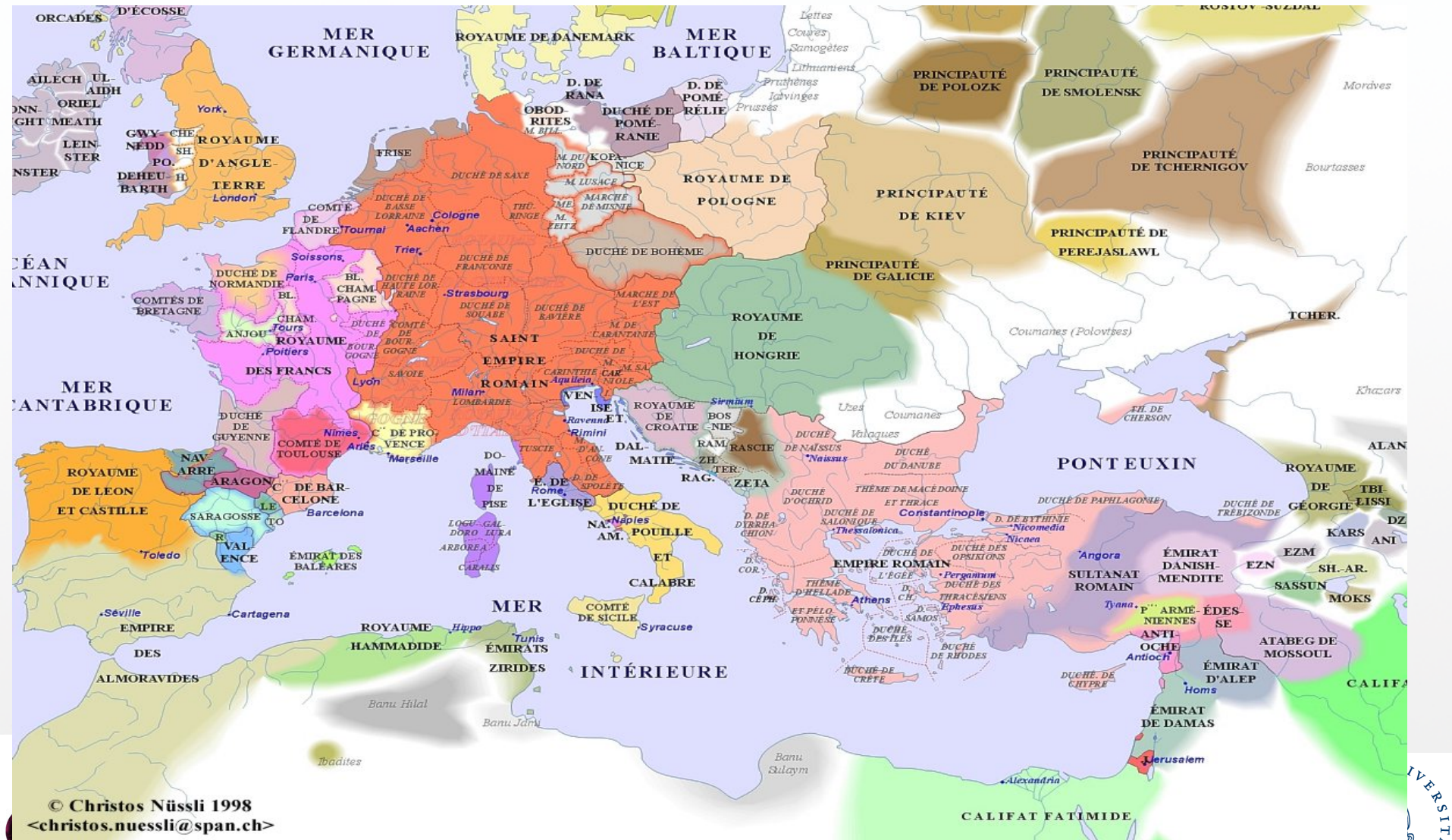
Overview

- An Anachronistic Vision of the European Digital Library
- Requirements & Challenges
- Three Examples

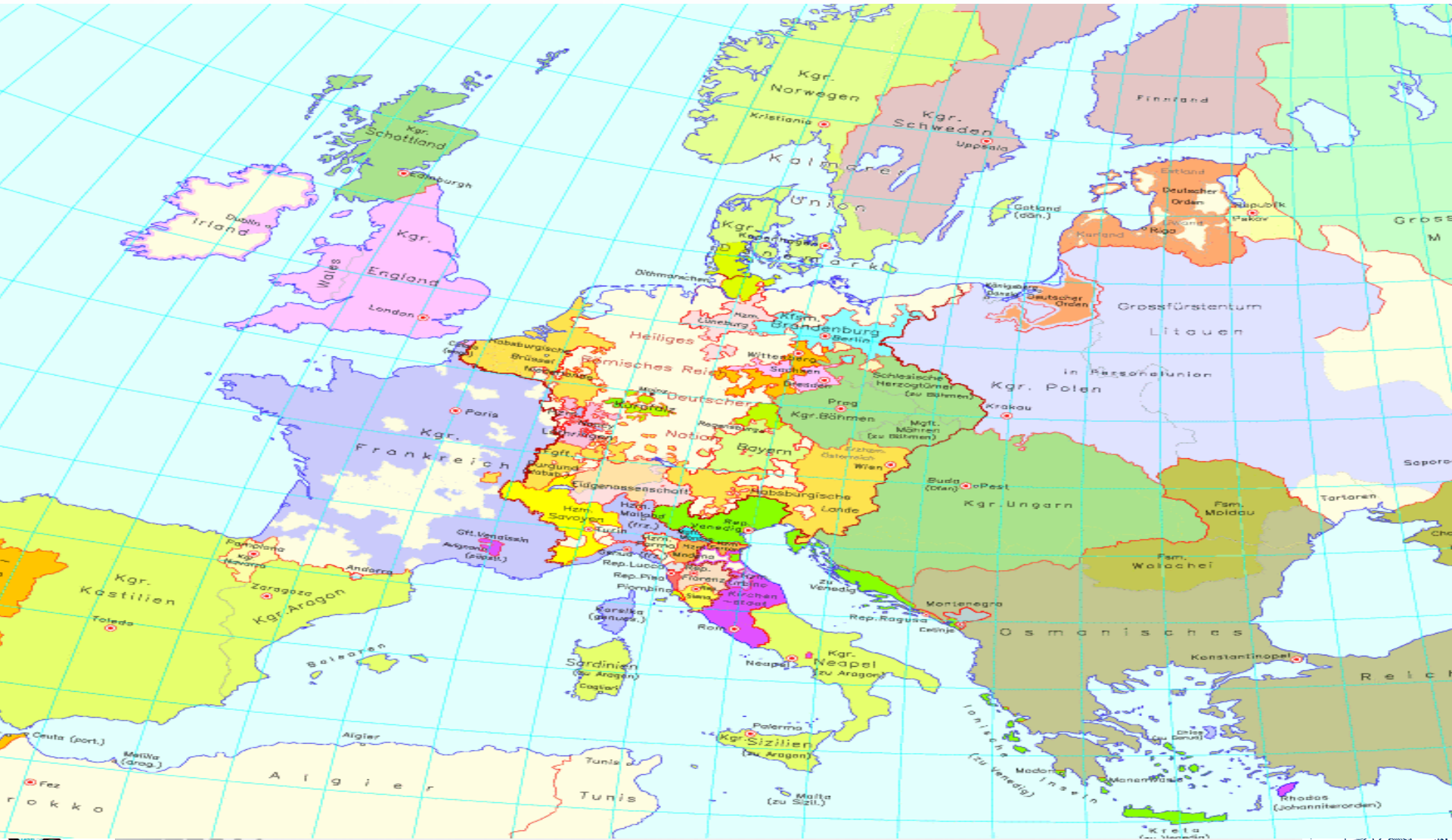
Europe A. D. 20: A Latin Continuum



Europe 1020: Scattered

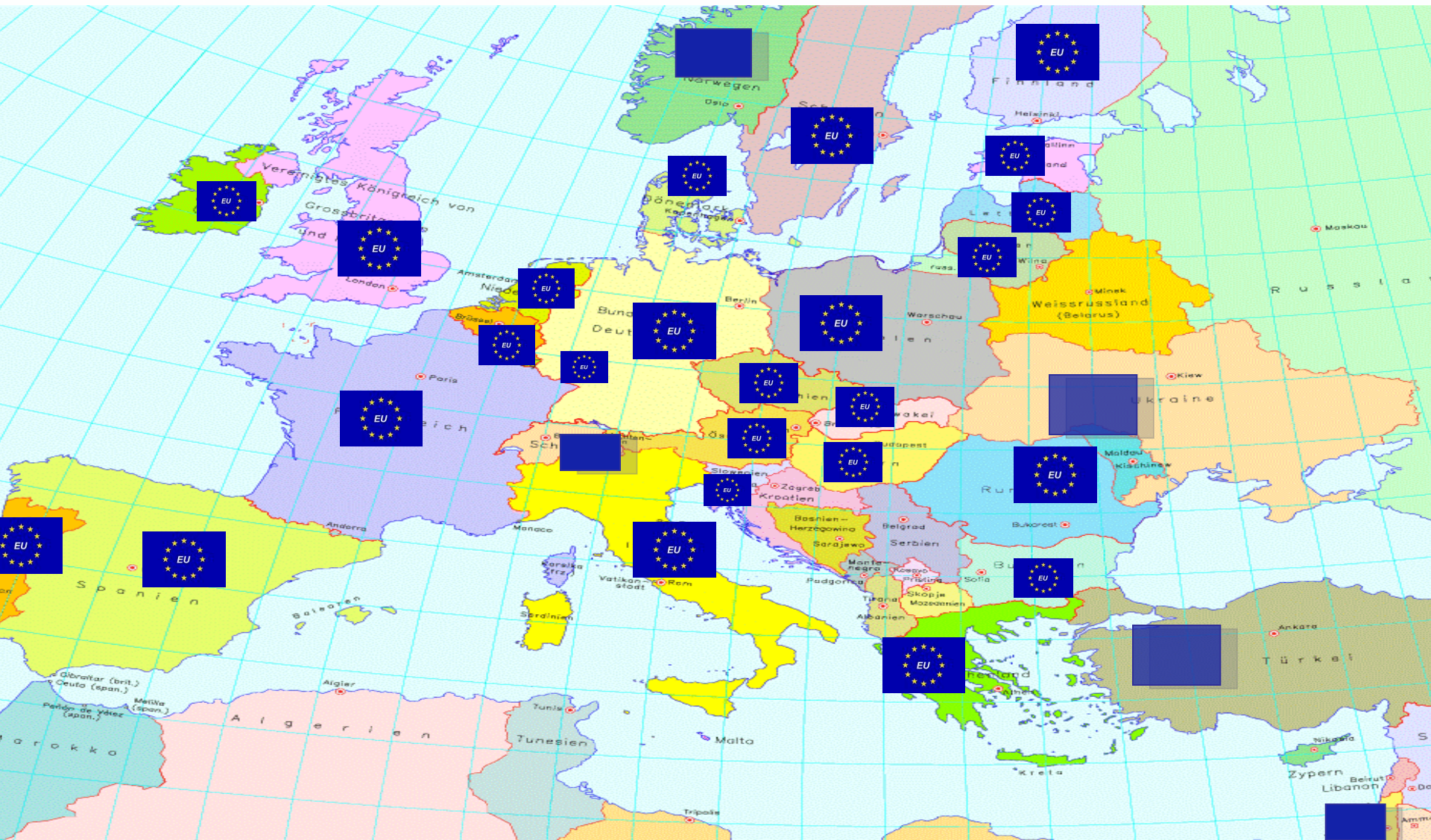


Europe 1520: Even Worse ...





Europe 2009: The Union



Requirements & Challenges

- ‚Europe‘ as an entity is a very recent concept
 - And as a political and cultural entity still not equally supported by all member states!
- This concept reacts to a scattered and conflictual past and results in a number of key requirements
 - Be Interoperable!
 - Technically, Syntactically, Semantically, Functionally
 - Support up to 23 ‚official‘ languages (and cope with cultural diversity!)
 - Support distributed approaches / Avoid centralist solutions
- EU is the driving force: meet their funding requirements (as currently laid down in FP7 / CIP)
 - Build on an excellent network infrastructure (Géant)
 - Be inclusive: just ‚libraries‘ are not sufficient

Three Examples (1)

- Completed / ongoing: DELOS Reference Model / DL.org
 - a conceptual reference model for modeling and understanding complex, distributed information architectures and systems
 - Key vectors are user, content, functionality, architecture, quality and policy
 - Donatella and Iannis can tell you more ...
- Currently implementing operational platform: DRIVER
 - A research infrastructure built on a network of scientific content repositories with interoperability on metadata and (complex) object levels
 - Norbert covered this exhaustively yesterday ...

Three Examples (2)

- Specified / prototyping: Europeana (fak as EDL)
 - More than a Digital Library bringing together digital and digitized content from all types of cultural heritage institutions
 - Content (4,5 million objects in prototype, 10 million in V1.0, more than 50 million during the following years) is to interoperate with DRIVER scientific publications on metadata and object levels
 - „A network of inter-operating object surrogates enabling semantics based object discovery and use. This network in turn is an integral part of the overall information architecture of the WWW.“
 - For details see our functional specification document (D2.5)
 - Exposed to the world (including the Europeana portal) via an open API
=> Europeana comes close to what the DELOS RM calls a „Digital Library Management System“, a ‚factory‘ for generating DIs
- Europeana, DRIVER and DELOS RM are part of one synergetic funding environment which puts Europe in a strong position!
 - Thanks for your patience and attention!